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Table S2: Disassociation constants used in MINEQL+ modeling.

Species	LogC	LogK
Hg(OH) ₂	-22.6	0
H ₂ (S ₂ O ₃) ₃ Hg(OH) ⁻⁴ (-4)	-5.41	36
H ₂ (S ₂ O ₃) ₂ Hg(OH) ⁻² (-2)	-5.21	34.5
HgClOH (aq)	-20	9.85
HgCl ₄ ⁻² (-2)	-16.9	20.8
HgCl ⁺ (+1)	-23.9	12.8
HgCl ₂ (aq)	-18.1	18.9
HgCl ₃ ⁻¹ (-1)	-17.4	19.9
HgHCO ₃ ⁺ (+1)	-27.7	21.6
Hg(CO ₃) ₂ ⁻² (-2)	-27.7	20.9
HgCO ₃ (aq)	-25.1	17.4
Hg ⁺² (+2)	-30.1	6.23
HgOH ⁺ (+1)	-26.8	2.67
Hg(OH) ₃ ⁻¹ (-1)	-30.4	-14.6
HgSO ₄ (aq)	-30.5	7.69

2 Adapted from Crespo-Medina *et al.* 2009 (2).

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